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Abstract of the Disclosure

Solenoid Stator Assembly

5           The present solenoid stator assembly is  
adapted to be mounted upon a mounting seat of a fuel  
injector valve. The assembly includes a housing  
having an upper end, a lower end, and a base adapted  
to fit on the mounting seat of the fuel injector  
10 valve. A substantially E-shaped stator core is  
disposed within the housing. The stator core includes  
a top portion having a first end and a second end. A  
first outer pole piece depends substantially  
perpendicularly from the first end, and a second outer  
15 pole piece depends substantially perpendicularly from  
the second end. The central pole piece is located  
substantially central to the first and second outer  
pole pieces, and depends substantially perpendicularly  
from the top portion in a direction substantially  
20 parallel to that of the first and second outer pole  
pieces. The first and second outer pole pieces and  
the central pole piece each have a distal end forming  
a face, each face being substantially flush with the  
base of the housing. A reinforcement band is disposed  
25 about the lower end of the housing, and reinforces the  
housing against expanding cavity pressure developed  
within the assembly by fuel pressure from within the  
fuel injector valve.

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